

REMARKS

This is in full and timely response to the Office Action mailed on June 29, 2005.
Reexamination in light of the following remarks is respectfully requested.

Claims 12-20 are currently pending in this application, with claim 12 being independent.

No new matter has been added.

Claim objections and rejections

While not conceding the propriety of this objection and in order to advance the prosecution of the above-identified application, claims 2, 4-11 have been canceled.

Withdrawal of this objection is respectfully requested.

Newly added claims

Claims 13-20 are dependent upon claim 12. Claim 12 is drawn to an optical system having an optical module, the optical module comprising:

a substrate, the substrate including a plate of a first material adhered to a wiring board of a material other than the first material, a through-hole extending through the plate and the wiring board;

an optical element mounted to the wiring board, the optical element including a light receiving portion, the wiring board being between the optical element and the plate; and

a lens unit mounted to the plate, the lens unit including a lens, the plate being between the wiring board and the lens unit,

wherein the light receiving portion and the lens are disposed along an optical axis, the optical axis extending through the through-hole.

Japanese Patent Application Publication No. 11-191865 to Kazuto, U.S. Patent No. 6,187,522 to Majumdar et al. (Majumdar), and U.S. Patent No. 6,724,503 to Sako et al. (Sako), either individually or as a whole, fail to disclose, teach or suggest a substrate that includes a plate of a first material adhered to a wiring board of a material other than the first material.

Allowance of the claims is respectfully requested.

Conclusion

For the foregoing reasons, all the claims now pending in the present application are allowable, and the present application is in condition for allowance. Accordingly, favorable reexamination and reconsideration of the application in light of the amendments and remarks is courteously solicited.

If the Examiner has any comments or suggestions that could place this application in even better form, the Examiner is requested to telephone Brian K. Dutton, Reg. No. 47,255, at 202-955-8753.

If any fee is required or any overpayment made, the Commissioner is hereby authorized to charge the fee or credit the overpayment to Deposit Account # 18-0013.

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Respectfully submitted,

By _____

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